

NATURAL RESOURCES

GOAL #1: TO PROTECT, CONSERVE, AND RESTORE NATURAL RESOURCES IN DELAWARE COUNTY

SUBGOAL #1: OPEN SPACE – INCREASE AMOUNT OF AND ACCESSIBILITY TO OPEN SPACE.

TARGET #1: INCREASE THE NUMBER OF ACRES OF PROTECTED OPEN SPACE BY 10% OVER THE NEXT 5 YEARS.

- *Understanding current open space offerings and setting priorities*
 - #7 Create a baseline of existing open space parcels
 - #8 Create criteria for open space prioritization, recognizing different needs/characteristics to look for in different classes of municipalities
 - #10 Update and Review Conservation Priority Areas Map which identifies key municipal and county parcels for conservation
- *Providing education and technical assistance*
 - #9 Provide education on identifying and prioritizing open space for protection utilizing established criteria
 - #11 Provide technical assistance and resources to the community for creating and maintaining open space programs
 - #16 Create models and encourage adoption of ordinances which require open space to be conserved alongside new development, such as cluster zoning or conservation by design
- *Increasing resources and capacity building*
 - #12 Create resource manual regarding different strategies for protecting open space, in addition to different types of open space
 - #13 Encourage multi-municipal collaborations in preserving open space
 - #14 Continue Greenways Grant Program with consideration of making it a rolling application
 - #15 Explore opportunities for capacity building in marginalized communities with specific attention to professional services, applying for grants, administering funds, etc.
 - #17 Encourage participation and collaboration between local EACs
- *Purchasing County Open Space*
 - #18 Preserve/acquire additional open space that meets prioritization criteria

TARGET #2: INCREASE NUMBER OF RESIDENTS WITHIN A HALF MILE WALK OF PUBLIC OPEN SPACE BY 10% OVER THE NEXT 5 YEARS.

- *UNDERSTANDING THE COMMUNITY'S CURRENT ACCESS AND COMFORT IN USING PARKS AND ADDRESSING NEED AREAS*
 - #21 Create a baseline of the number of residents within a half-mile walk of open space
 - #22 Survey community members to better understand their access to and comfort in using parks in Delaware County and the conditions in which foster a welcoming environment
 - #23 Create a plan for addressing barriers to accessibility, comfort, and welcoming environment as identified through community feedback (#22)

SUBGOAL #2: TREE CANOPY AND PLANTINGS – TO INCREASE NATIVE TREES, TREE CANOPY, AND NATURAL PLANTINGS.

TARGET #1: INCREASE THE TOTAL TREE CANOPY AREA BY 10% OVER THE NEXT 5 YEARS.

- *COMPLETE A TREE CANOPY STUDY LOOKING AT THE EXISTING TREE COVER AND IDENTIFYING NEED AREAS*
 - #28 Develop a tree canopy baseline through Treevitalize
 - #29 Map Delaware County's tree canopy
 - #30 Track the changes in Delaware County's tree canopy cover
 - #31 Develop a strategic plan to guide Delaware County's tree initiatives
- *PROVIDING DATA AND TECHNICAL ASSISTANCE FOR COMMUNITY IMPLEMENTATION*
 - #32 Produce data, reports, and presentations that clearly communicate the findings and recommendations of the strategic plan to the community
 - #33 Provide technical assistance to municipalities for increasing tree canopy coverage

TARGET # 2: REMEDIATE AND ENHANCE 250 ACRES WITH NATIVE PLANTINGS OVER THE NEXT FIVE YEARS.

- *CREATING NATURAL LANDSCAPES WITH NATIVE PLANTS*
 - #37 Create naturalized meadows in County Parks
 - #38 Create an invasive species management plan for County Parks, including plant identification, removal, and replacement with native plants
- *BUILDING COMMUNITY CAPACITY THROUGH TECHNICAL ASSISTANCE AND INFORMATION-SHARING*
 - #36 Create design standards for landscaping utilizing primarily native plants
 - #38 Provide education and training to homeowners, landscapers, municipalities, and community groups on native plantings and how to maintain them
 - #39 Provide/Advertise job training for park maintenance and other conservation-centered careers
 - #40 Encourage integration of natural plantings in existing recreational landscape and municipal facilities
 - #41 Install interpretive signage, markers, and other educational materials highlighting native plantings
 - #42 Host an annual meeting/consortium bringing together environmental groups for information sharing specific to Natural Resources

SUBGOAL #3: WATERSHED QUALITY – TO IMPROVE THE QUALITY OF WATERSHEDS THROUGHOUT DELAWARE COUNTY.

TARGET #1: INSTALL 25 BEST MANAGEMENT PRACTICES (BMPS) ACROSS THE COUNTY IN THE NEXT 5 YEARS.

- *INCREASING DATA COLLECTION AND FOSTERING CONVERSATIONS AMONG COMMUNITIES*
 - #50 Create Watershed Group for the Naamans, Marcus Hook, Stoney Creek Watershed
 - #55 Promote usership of existing water quality programs in Delaware County
 - #56 Raise awareness on the importance of conserving natural features and resources
 - #57 Increase both research-grade and citizen science data collection and monitoring of watershed health
 - #58 Facilitate collaboration between upstream and downstream communities to identify holistic watershed solutions
- *PROVIDING EDUCATION AND TECHNICAL ASSISTANCE*
 - #49 Draft model ordinance for flood plain overlays
 - #53 Provide technical assistance for regreening grey spaces and reducing impervious surfaces
 - #59 Provide education, outreach, and resources on the installation of BMPs across all watersheds

- *COUNTY LEADERSHIP BY EXAMPLE*
 - #48 Install and enhance riparian buffers on County-owned properties
 - #51 Increase No Mow zones in County Parks
 - #52 Establish County budget to support Hazardous Material Clean Up program to reduce point-source pollution
 - #54 Complete a Community Greening Plan to determining best places for green stormwater infrastructure

SUBGOAL #4: BROWNFIELD REMEDIATION – IDENTIFY BROWNFIELDS IN DELAWARE COUNTY AND INCREASE REMEDIATION EFFORTS.

TARGET #1: CONDUCT A BROWNFIELD INVENTORY IN ALL 49 MUNICIPALITIES OVER THE NEXT 5 YEARS.

- *IDENTIFICATION OF EXISTING BROWNFIELDS*
 - #64 Complete potential brownfields analysis for the entire county
 - #65 Explore application to the EPA Brownfields Job Training Grant Program

ENERGY AND EFFICIENCIES

GOAL #1: REDUCE WATER AND ENERGY CONSUMPTION IN BUILDINGS AND PROPERTIES IN DELAWARE COUNTY AND TRANSITION TO COMBUSTION FREE RENEWABLE ENERGY

SUBGOAL #1: ENERGY – REDUCE ENERGY CONSUMPTION IN BUILDINGS AND PROPERTIES IN DELAWARE COUNTY AND TRANSITION TO COMBUSTION FREE RENEWABLE ENERGY

TARGET #1: REDUCE ENERGY CONSUMPTION IN COUNTY BUILDINGS (EUI -- KBTU/SQFT) BY 20% OVER THE NEXT 5 YEARS.

- **DATA COLLECTION AND IDENTIFYING OPPORTUNITIES**
 - #7 Collect baseline energy consumption for county buildings from KCBA FCNA
 - #8 Conduct commercial grade energy audits on County buildings to identify energy conservation measures and energy transition opportunities
 - #9 Audit energy bills to identify metering issues and billing errors
 - #11 Calculate Energy STAR scores for every County building through Portfolio Manager
- **CREATING NEW STANDARDS**
 - #10 Submeter county buildings in accordance with audit recommendations
 - #13 Develop sustainable design standards for County Capital Improvement Program
- **IMPLEMENTING ENERGY CONSERVATION MEASURES (ECMS)**
 - #14 Implement design and construction of Capital Improvement Projects for County buildings and include energy conservation measures
 - #15 Conduct Energy Saving Company (ESCO) Guaranteed Energy Savings (GESA) projects in County buildings
 - #16 Apply for and receive rebates, incentives, and grants for Capital Improvement Projects that include applicable Energy Conservation Measures
 - #17 Research opportunities for a demand-response program
 - #18 Implement off-hours energy reduction through lighting schedules
- **MAKING DATA ACCESSIBLE AND INCREASING STAFF EDUCATION**
 - #12 Generate monthly energy consumption reports to be compiled for annual submission to County Council and Sustainability Commission
 - #19 Increase staff education in the facilities and public works departments to implement energy efficiency projects

TARGET #2: REDUCE ENERGY CONSUMPTION IN RESIDENTIAL AND COMMERCIAL BUILDINGS BY 20% OVER THE NEXT 5 YEARS.

- **COMMUNITY EDUCATION**
 - #24 Provide education to community groups, residents, municipalities, and businesses surrounding existing incentives and programs that can be used to reduce energy consumption and rates
 - #27 Provide education to residents and businesses regarding how to make buildings more energy efficient
- **INCREASING USE OF EXISTING PROGRAMS**
 - #22 Increase participation in the C-PACE program in Delaware County

- #25 Encourage and/or incentivize property owners and businesses to complete energy audits and energy conservation measures
- #28 Advertise and encourage use of existing Weatherization Programs
- *BENCHMARKING – COLLECTING ENERGY DATA FROM LARGE INDUSTRIES AND BUSINESSES FOR COMPARISON*
 - #23 Explore potential for energy benchmarking on a regional-scale

SUBGOAL #2: WATER – REDUCE WATER CONSUMPTION IN BUILDINGS AND PROPERTIES IN DELAWARE COUNTY

TARGET #1: REDUCE WATER CONSUMPTION IN COUNTY BUILDINGS BY 20% OVER THE NEXT 5 YEARS.

- *DATA COLLECTION ON EXISTING WATER USE*
 - #32 Identify baseline of water consumption in County buildings
 - #36 Evaluate existing landscaping protocols, watering habits, and green stormwater infrastructure to reduce water consumption
- *CREATING NEW STANDARDS AND IMPLEMENTING PROJECTS*
 - #33 Develop sustainable building design standards for County Capital Improvement Program
 - #34 Design and construct plumbing improvements in County building such as low/no flow flushing, toilets, sinks, etc. and time them into existing projects
 - #35 Design and construct water re-use projects in County buildings such as rainwater/grey water toilets that tie into existing projects
 - #38 Complete a community greening plan to determine best places for green stormwater infrastructure
- *MAKING DATA ACCESSIBLE AND REPORTING FINDINGS*
 - #37 Generate monthly water consumption reports to be compiled for annual submission County Council and Sustainability Commission

TARGET #2: REDUCE WATER CONSUMPTION IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL BUILDINGS BY 20% OVER THE NEXT 5 YEARS.

- *DATA COLLECTION ON EXISTING WATER USE*
 - #42 Identify baseline water consumption in Delaware County
- *PROVIDING COMMUNITY EDUCATION*
 - #43 Develop and implement an educational program encouraging water conservation in alignment with baseline findings
 - #44 Provide education to community groups, resident, municipalities, and businesses regarding water conservation measures and existing initiatives and programs to help fund them

GOAL # 2: INCREASE AVAILABILITY AND USE OF RENEWABLE ENERGY SOURCES

TARGET #1: INCREASE LOCALLY-SOURCED RENEWABLE ENERGY INFRASTRUCTURE IN COUNTY BUILDINGS BY 10% OVER THE NEXT 5 YEARS.

- *OPTIMIZING EXISTING SOLAR ARRAYS*
 - #50 Account for the solar array energy produced on the Government Center roof and maintain the equipment as needed to ensure optimal performance

- #51 Develop solar array maintenance plan, including necessary cleaning and panel inspection
- *INVESTING IN RENEWABLE ENERGY*
 - #52 Install solar energy equipment on County properties to increase the amount of renewable energy that replaces electricity from the PJM grid
 - #53 Enter into Regional Power Purchasing Agreement with neighboring counties to allow for purchase of renewable energy sources at the greatest value
- *HIRING AN ENERGY MANAGER*
 - #54 Hire Delaware County Energy Manager

TARGET #2: INCREASE LOCALLY-SOURCED RENEWABLE ENERGY INFRASTRUCTURE IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL PROPERTIES BY 10% OVER THE NEXT 5 YEARS.

- *PROMOTING COMMUNITY-BASED SOLAR PROGRAMS AND TRACKING SOLAR INSTALLATIONS*
 - #38 Promote community-based solar programs such as Solarize Delco and C-PACE
 - #61 Baseline and report on mega-watts of solar added to the County each year
- *PROVIDING COMMUNITY EDUCATION*
 - #59 Provide education about the different kinds of locally-sourced renewable energy infrastructure, siting projects, and funding sources for installing them
- *CREATING SOLAR-READY COMMUNITIES*
 - #60 Seek SolSmart County Designation and promote program to municipalities

GOAL #3: REDUCE EMISSIONS IN DELAWARE COUNTY.

TARGET #1: REDUCE SCOPE 1 AND 2 EMISSIONS BY 20% FROM 2019 BASELINE OVER THE NEXT 5 YEARS.

- *MEASURING EMISSIONS*
 - #66 Calculate baseline emissions from energy
 - #67 Implement energy reduction projects in buildings and measure emission reductions
- *UPDATING COUNTY SYSTEMS TO ELECTRIC*
 - #68 Electrify County Buildings through new construction and/or retrofits
 - #69 Create HVAC upgrade plan for electrifying mechanical systems in correspondence with end-of-life of existing equipment

TRANSPORTATION

GOAL # 1: INCREASE ACCESSIBILITY TO SAFE ACTIVE AND MULTIMODAL TRANSPORTATION AS ALTERNATIVES TO SINGLE OCCUPANT MOTOR VEHICLES

SUBGOAL #1: INCREASE WALKING INFRASTRUCTURE

TARGET # 1: INCREASE MILES OF SIDEWALK AND TRAILS BY 10% OVER 5 YEARS.

- *UNDERSTANDING EXISTING CONDITIONS*
 - #8 Identify baseline sidewalk inventory
 - #9 Update Delaware county sidewalk inventory with the inclusion of street crossings
 - #10 Conduct a sidewalk gap analysis
 - #11 Identify baseline trails inventory
 - #12 Update trails inventory
 - #13 Map existing trails within County Parks
 - #14 Conduct a trails gap analysis using the county trails Map
 - # 24 Monitor and record where investment is going into transportation infrastructure to ensure that it is being equitably distributed across all communities
- *FILLING SIDEWALK AND TRAIL GAPS*
 - #16 Identify funding sources for new walking infrastructure
 - #17 Work with municipalities to fill gaps in the walking network as identified in Sidewalk and Trails inventories
 - #18 Design and construct new walking infrastructure with a focus on connectivity in marginalized communities
 - #19 Encourage multi-municipal collaborations for the Primary Trail Network
- *MAKING WALKING SAFER AND MORE EFFICIENT*
 - #15 Make a wayfinding plan for the County's Primary Trail Network, parks, and nearby amenities
 - #19 Create a Safe Routes to School Program and Plan
 - #20 Create a vision zero plan for Delaware County to reduce/eliminate bike and pedestrian injuries and fatalities
- *DEVELOPING BETTER SIDEWALKS AND TRAILS*
 - #22 Develop a model ordinance for both the development and maintenance of sidewalk infrastructure
 - #23 Develop design guidelines for sidewalks, side paths, and crossings in correspondence with different locations (mature neighborhoods, activity corridors, etc.)

SUBGOAL CATEGORY #2: INCREASE BIKING INFRASTRUCTURE

TARGET # 1: INCREASE MILES OF BIKE LANES, SAFE BIKE ROUTES, AND TRAILS BY 10% OVER 5 YEARS.

- *UNDERSTANDING EXISTING CONDITIONS*
 - #29 Identify baseline and update inventory for biking infrastructure, including bike routes, sharrows, and bike lanes
- *DESIGNING BETTER BIKE FACILITIES*
 - #30 Ensure ample bike parking and storage at county and regional hubs
 - #31 Adopt design guidelines and standards for providing bicycle facilities and identify key locations for installment
 - #34 Provide guidance to municipalities for designing safe bike crossings

- #37 Create model ordinances and guidance for requiring bike parking and design considerations in the development process
- *GETTING LOCAL PROJECTS OFF THE GROUND*
 - #32 Provide technical assistance by identifying potential projects and funding sources, and coaching through the application process
 - #35 Identify areas for leasing on SEPTA and PECO easements for trail expansion
 - #36 Identify key locations for bike lanes/sharrows and encourage municipalities to get involved in the PennDOT repaving program early for installation
- *MAINTAINING SAFE INFRASTRUCTURE*
 - #33 Provide technical assistance regarding maintenance strategies for biking infrastructure and trails

SUBGOAL CATEGORY #3: INCREASE TRANSIT RIDERSHIP IN DELAWARE COUNTY

TARGET # 1: INCREASE TRANSIT RIDERSHIP IN DELAWARE COUNTY BY 20% OVER 5 YEARS.

- *LEARNING HOW DELCO USES TRANSIT*
 - #43 Complete analysis of existing bus stops around the County to identify accessibility, comfort, safety needs, and ownership of existing stops
 - #44 Meet with Septa to ensure bus routes connect to main hubs and locations
 - #45 Advertise engagement opportunities for residents to provide input on Septa projects
- *DESIGNING COMMUNITIES FOR TRANSIT*
 - #46 Share model design guidelines and ownership models with municipalities regarding bus shelters, with special consideration of maintenance following construction
 - #47 Support and provide guidance on Transit Oriented Development in Delaware County

TARGET # 2: EDUCATE 100% OF DELAWARE COUNTY RESIDENTS ON THE BENEFITS AND AVAILABILITY OF BIKING, WALKING AND USE OF PUBLIC TRANSIT OVER 5 YEARS.

- *INCENTIVIZING THE USE OF TRANSIT*
 - #51 Provide incentives and/or travel allowance to Delco employees, jurors, and residents for taking alternative transportation to work
 - #52 Work with local businesses to provide incentives for active commutes and alternatives to single-occupant vehicles
- *PROVIDING THE RIGHT INFRASTRUCTURE FOR TRANSPORTATION ALTERNATIVES*
 - #53 Provide locker room facilities for County employees to use following active commutes
 - #54 Create model ordinances and provide guidance for adjusted parking standards to reduce pavement and provide solutions for alternative transportation methods
 - #55 Explore feasibility of regional bike share program or bike lending library
 - #56 Support and provide guidance for the creation of mobility hub models prioritizing areas around local universities/colleges
- *ENGAGING THE COMMUNITY AND UNDERSTANDING ITS NEEDS*
 - #57 Engage members of the public to better understanding comfort in using alternative transportation methods to the single-occupancy vehicle in Delaware County and recognize existing barriers to utilizing alternative transportation methods
 - #58 Create a plan for addressing the barriers of using alternative transportation methods in Delaware County based on community feedback

- #59 Provide outreach and education around using the transit system in Delaware County

GOAL #2: SUPPORT ACCESS TO AND ADOPTION OF EVS AND EV INFRASTRUCTURE.

TARGET #1: INCREASE THE NUMBER OF PUBLIC AND COUNTY-OWNED CHARGING STATIONS THROUGHOUT DELAWARE COUNTY BY 50% OVER 5 YEARS.

- *INCREASING AWARENESS AND COMFORT WITH ELECTRIC VEHICLES (EVS)*
 - #74 Community education regarding existing incentives and programs for purchasing EVs
 - #75 Community education with local building inspectors regarding codes and EV chargers
 - #76 Speak with municipalities, businesses, and industry regarding electrification of fleets with focus on communities with poor air quality
 - #77 Community education regarding EV charging (Ex. Multi-unit, on-street, cold weather, different types of chargers, who to call if there are issues with chargers)
- *INCREASING CHARGING LOCATIONS*
 - #72 Baseline existing EV Infrastructure Study (Location, Accessibility, Public Use, Charging Type)
 - #73 Identify key locations for future EV stations meeting both County and Community Needs
 - #78 Install additional publicly accessible charging stations in accordance with study findings
 - #79 Coordinate with local communities and business to identify opportunities to share charging locations
 - #80 Create model ordinances or guidelines for the inclusion of EV charging and necessary electrical infrastructure in private development (multi-family housing, shopping centers, etc.)

TARGET #2: ELECTRIFY 25% OF THE COUNTY FLEET OVER THE NEXT 5 YEARS.

- *ACQUIRING ELECTRIC VEHICLES (EVS)*
 - #83 Identify funding sources for vehicle electrification and infrastructure
 - #86 Purchase additional EVs to replace traditional gas/diesel vehicles
- *PROVIDING ADEQUATE TRAINING*
 - #84 Provide staff training on how to use EVs, who to contact with questions, etc.
 - #85 Create EV maintenance plans and provide necessary training to maintenance staff

GOAL #3: REDUCE EMISSIONS IN DELAWARE COUNTY.

TARGET #1: REDUCE SCOPE 1 AND 2 EMISSIONS BY 20% OVER THE NEXT 5 YEARS.

- *REDUCING TRIPS AND IDLING*
 - #65 Research travel demand ordinances and consider applicability in Delaware County
 - #66 Create model ordinances and provide guidance for anti-idling policies and enforcement
 - #67 Consider remote work policies in the county to reduce emission generation from commuting
- *REDUCING USE OF SMALL COMBUSTION ENGINES*
 - #64 Encourage transition from small combustion engine equipment to electric (ex. lawn-equipment, tractors, etc.)

ZERO WASTE

GOAL #1: ACHIEVE ZERO WASTE IN DELAWARE COUNTY.

SUBGOAL #1: INTERNAL OPERATIONS – TO ACHIEVE ZERO WASTE IN COUNTY OPERATIONS

TARGET #1: INCREASE DIVERSION RATE IN COUNTY BUILDINGS TO 45% OVER THE NEXT 5 YEARS.

- *CREATING ZERO WASTE POLICIES*
 - #13 Create a policy for digitizing existing County files
 - #15 Create an electronic signature policy for County documents
 - #16 Implement single use plastic ban on County properties and through County purchasing (procurement)
 - #17 Create a green procurement policy with a focus on reducing waste
- *CREATING A RECYCLING PROGRAM IN COUNTY BUILDINGS*
 - #7 RFP For New Provider: Provide monthly tonnage reports, establish baseline, right-size program, waste characterization study, etc.
 - #8 Pilot Program in Government Center for the updated recycling program
 - #9 Waste Analysis of County Buildings including leased buildings
 - #14 Create a paper recycling program and encourage paper reduction behaviors such as minimizing printing
 - #18 Create a pilot composting program at the Government Center
- *SHIFTING THE CULTURE TOWARDS ZERO WASTE*
 - #22 Pass a Delaware County Zero Waste Resolution
 - #23 Research the powers of County Government to pass Zero Waste legislation
 - #10 Work with County food vendors to reduce packaging and food waste
 - #11 Provide training to employees regarding proper waste disposal practices
 - #12 Campaign to launch revitalized recycling program in County Buildings
 - #21 Generate quarterly, biannual, and/or annual reports on the status of waste diversion to County Council
- *SECURING FUNDING AND HOSTING PUBLIC EVENTS*
 - #19 Host or partner 5 events and programs per year to maintain Keep PA Beautiful affiliation
 - #20 Apply for grants, incentives, and other financial assistance to assist in the implementation of Zero Waste actions

SUBGOAL #2: COUNTY-WIDE – TO ACHIEVE ZERO WASTE IN ALL 49 MUNICIPALITIES

TARGET #1: INCREASE DIVERSION RATE IN DELAWARE COUNTY TO 45% OVER THE NEXT 5 YEARS.

- *PROVIDING COUNTY LEADERSHIP BY EXAMPLE AND EDUCATION, AND IMPLEMENTING REUSE AND RECYCLING PROGRAMS*
 - #28 Develop and oversee implementation of County ordinance and draft model municipal ordinances addressing: single use plastics, plastic shopping bags and other product policies
 - #29 Develop model programs for waste reduction, recycling and composting at County buildings, parks and events and provide technical assistance to municipalities and schools

- #30 Provide comprehensive outreach, education and technical assistance to support all generators countywide to reduce waste, recycle and compost
- #31 Partner with local non-profit organizations to create a curbside residential program for the collection of durable goods and non-durable textiles to be collected for reuse and/or recycling
- #32 Partner with community organizations and County libraries to sponsor Fixit Clinics and Repair Cafés
- #33 Create and maintain an online reuse and repair directory and promote repair and reuse businesses
- #34 Develop a mini-grant program and provide support for edible food donation, refill stations and Zero packaging stores, and other community-led projects
- #35 Educate community members on existing programs and resources for disposing of different materials
- *ENCOURAGING UNIVERSAL COLLECTION (ALL PROPERTIES MUST OFFER RECYCLING AND COMPOSTING COLLECTION)*
 - #40 Collaborate with municipalities interested in regional collaboration
 - #41 Develop model universal collection ordinance
 - #42 Collaborate with municipalities on universal collection pilot program
 - #43 Support municipalities to expand universal collection program countywide
 - #44 Encourage and work with interested municipalities to implement Save As You Throw program
 - #45 Evaluate every other week collection of trash
 - #46 Support competition in designing procurement process
 - #47 Apply for grants to support municipal programs
- *CONSTRUCTION MATERIAL REUSE AND RECYCLING*
 - #52 Develop model deconstruction ordinance
 - #53 Support the growth of Delaware County's deconstruction sector
 - #54 Establish a grant or loan program
 - #55 Adopt a landfill ban for construction & demolition debris
 - #56 Adopt a construction & demolition debris diversion ordinance
 - #57 Support the growth of Delaware County's construction & demolition diversion sector
 - #58 Assist with planning for a County-owned or Authority-owned building material recovery yard
 - #59 Look for a site, including at local big box home stores (e.g. Home Depot or Lowe's) for a building material reuse center.
 - #60 Assess municipally-owned properties to determine if a suitable site for development of a building material reuse center exists
 - #61 Support the establishment of building material reuse centers in Delaware County
- *DEVELOPING LOCAL CAPACITIES FOR PROCESSING ORGANICS AND RECYCLABLES*
 - #66 Develop relationships with municipalities to document needs for processing and technical support
 - #67 Work to find short- and long-term solutions to increase capacity to transfer additional streams, including recycling, organics and expanded drop off at Authority transfer stations
 - #68 Negotiate contracts to transload organics and recycling for processing at existing facilities
 - #69 Enter into municipal and commercial contracts to receive organics and recycling at transfer stations
 - #70 Identify technology and systems available to process organics and recycling
 - #71 Feasibility study on siting a MRF or organics processing solution at the transfer station locations
 - #72 Develop budgets and solicit approval from appropriate parties
 - #73 Secure grants and funding opportunities
 - #74 Project manage financing and development of MRF and composting infrastructure

GOAL #2: TO REDUCE EMISSIONS FROM WASTE

TARGET #1: REDUCE SCOPE 1, 2, AND 3 EMISSIONS BY 45% OVER THE NEXT 5 YEARS.

- *TRACKING EMISSIONS AND EMISSIONS REDUCTIONS*
 - #79 Calculate baseline emissions from waste
 - #80 Quantify emission reductions from the implementation of Zero Waste Actions

CLIMATE RESILIENCY

GOAL #1: PREPARE DELAWARE COUNTY TO WITHSTAND AND RECOVER QUICKLY FROM THE EFFECTS OF CLIMATE CHANGE

SUBGOAL #1: CLIMATE HAZARDS - TO EQUIP DELAWARE COUNTY TO BE MORE PREPARED TO COMBAT EXTREME WEATHER EVENTS

TARGET #1: INCREASE THE NUMBER OF COMMUNITIES THAT ADOPT AND IMPLEMENT RESILIENCY PRACTICES TO PREPARE FOR AND RESPOND TO CLIMATE HAZARDS

- *DEFINING CLIMATE HAZARDS AND IDENTIFYING THE HIGHEST RISK AREAS IN DELAWARE COUNTY*
 - #5 Define criteria of vulnerable and overburdened communities in Delaware County in accordance with regional, state, and federal partners.
 - #6 Educate municipalities on identifying vulnerable and overburdened communities utilizing the established criteria
 - #7 Define hazards of climate change.
 - #16 Baseline hazard vulnerabilities overlaying repetitive loss properties, floodplains, base elevations, etc.
 - #20 Identify pipeline-related hazards and vulnerabilities
 - #23 Identify Heat Islands across Delaware County and create a plan for mitigation
- *BUILDING BETTER EMERGENCY PLANS FOR WHEN EXTREME WEATHER HITS*
 - #17 Create County-wide Heat and Cold-Weather Plans
 - #18 Evaluate accessibility to hazard-related shelters, including those for extreme cold and heat, and educate residents regarding existing resources
 - #19 Identify and communicate key evacuation routes for neighborhoods
- *ESTABLISHING PROPER FUNDING AND STAFFING FOR RESPONSE TO CLIMATE HAZARDS*
 - #10 Ensure HMP is reviewed annually for accuracy and relevancy
 - #11 Create a rolling fund to make up funding gap between fair-market value and the actual value in high-risk floodplains
 - #12 Establish budget for mitigation efforts in Emergency Services
 - #13 Designate a County Floodplain Manager to oversee floodplain management, training, and other mitigation efforts
- *INCREASING EDUCATION AND PREPAREDNESS*
 - #8 Identify municipal-level hazard-specific interventions (Meet with Municipal Emergency Managers)
 - #9 Identify County-wide hazard-specific interventions
 - #14 Provide training to community groups regarding hazard mitigation and resilience
 - #15 Provide technical assistance to vulnerable group populations for successful hazards planning (evacuations, contingency planning for loss of power, etc.)
 - #21 Increase municipal participation in the NFIP and Community Rating System
 - #22 Increase community awareness regarding risks in the home as a result of climate hazards

SUBGOAL #2: ECONOMY - TO GROW AND DIVERSIFY THE GREEN ECONOMY.

TARGET #1: INCREASE THE NUMBER OF GREEN JOBS/BUSINESSES IN DELAWARE COUNTY BY 5% OVER THE NEXT 5 YEARS.

- *DEFINING GREEN JOBS AND UNDERSTANDING CURRENT JOB OFFERINGS*
 - #30 Adopt a definition of green jobs in accordance with regional, state, and federal partners
 - #31 Create a baseline of current jobs and businesses in Delaware County that meet the adopted definition of Green Jobs
 - #32 Evaluate High Priority Occupation List for jobs that fit definition of green jobs
- *RECOGNIZING EXISTING BUSINESSES PRACTICING SUSTAINABILITY*
 - #33 Create a recognition program highlighting sustainable businesses and development in Delaware County
 - #34 Research opportunities to incentivize sustainable business in Delaware County
- *SUPPORTING NEW GREEN BUSINESSES AND JOBS*
 - #35 Explore application to the EPA Brownfields Job Training Grant Program
 - #36 Continue to invest in businesses and industries that hire marginalized youth, returning citizens, and residents from high unemployment communities
 - #37 Leverage County Resources to attract clean and green businesses of all sizes
 - #38 Evaluate opportunities for preserving space for the creation of green jobs i.e. park maintenance, urban agriculture
 - #39 Identify additional opportunities for green job training to meet localized needs

SUBGOAL #3: INFRASTRUCTURE - TO ENSURE INFRASTRUCTURE IS PROPERLY CONSTRUCTED AND MAINTAINED TO WITHSTAND CLIMATE HAZARDS THROUGH INFORMED DECISIONS BY MUNICIPALITIES AND RESIDENTS.

TARGET #1: INCREASE AWARENESS AND UNDERSTANDING OF SUSTAINABLE INFRASTRUCTURE BY ENGAGING ALL 49 MUNICIPALITIES AND THEIR RESIDENTS OVER THE NEXT 5 YEARS.

- *CREATING RESILIENT CODES AND COMMUNITIES*
 - #47 Create a baseline for sustainable infrastructure by evaluating existing municipal codes for resiliency requirements and best practices.
 - #48 Establish model floodplain ordinances to keep structures out of the floodplain
 - #49 Provide training to residential groups regarding hazard mitigation and resilience
 - #50 Research opportunities to incentivize sustainable development through the permitting process
- *PROMOTING EXISTING RESOURCES AND PROGRAMS*
 - #53 Promote County Blight Demolition Fund to remove unsafe buildings in the community
 - #54 Promote programs and funding sources for constructing green buildings
 - #55 Educate municipalities on the Delaware County Land Bank
 - #56 Educate municipalities on the Act 135 process for redevelopment
- *PROTECTING EXISTING INFRASTRUCTURE THROUGH MAINTENANCE AND RELOCATION*
 - #50 Communicate with PECO about putting power lines underground during road openings
 - #51 Continue bi-annual maintenance and debris clearance on all county bridges
 - #52 Provide guidance and training to municipalities on the importance for keeping bridges clear
- *SUPPORTING SMART DEVELOPMENT AND CONSTRUCTION*
 - #58 Support redevelopment of vacant and underutilized land and properties
 - #60 Design bridge and culvert upgrades to accommodate projected flood conditions
 - #61 Explore opportunities for using clean and porous material for public infrastructure
 - #62 Provide guidance for the installation and maintenance of green stormwater infrastructure

HEALTH AND WELLNESS

GOAL: TO CREATE A SAFE AND HEALTHY ENVIRONMENT TO LIVE, WORK, PLAY AND THRIVE

SUBGOAL #1: AIR -TO ENSURE JUST AND EQUITABLE ACCESS TO CLEAN, CLEAR AND HEALTHY AIR.

TARGET #1: EDUCATE 100% OF COMMUNITY MEMBERS ABOUT INDOOR AND OUTDOOR AIR QUALITY OVER 5 YEARS.

- *IMPROVING COMMUNICATION AND DATA SHARING*
 - #9 Increase community air quality monitoring throughout the county to better gauge air quality in all communities
 - #10 Increase availability and access of air quality data and analysis in the community
 - #12 Establish clear line of communication with DEP for efficient policy regulation and enforcement
 - #19 Utilize air quality data to advocate for mitigation of harm from poor air in Delaware County
- *SETTING COUNTY POLICIES AND CREATING MODELS FOR CLEANER AIR*
 - #11 Create anti-idling policies for county vehicles
 - #13 Create a model ordinance requiring lead, asbestos, and mold testing in residential/commercial buildings (rental/resale)
 - #14 Create a policy requiring safe cleaning products for all county buildings
 - #15 Create IAQ design standards for county-owned buildings
 - #17 Create model zoning ordinances focusing on air quality (Ex. Setback Ordinances, Buffering, Sensitive Uses, etc)
 - #18 Encourage adoption of Young Lungs at Play Ordinances in all 49 municipalities
- *ACKNOWLEDGING EXISTING CONDITIONS AND EMPOWERING PEOPLE THROUGH EDUCATION*
 - #16 Acknowledge non-attainment status of air quality in Southeastern Pennsylvania
 - #19 Utilize air quality data to advocate for mitigation of harm from poor air in Delaware County
 - #20 Educate community members on air quality including the cumulative risk factors that increase harmful impacts and create pathways to advocate for change

SUBGOAL #2: WATER - ENSURE JUST AND EQUITABLE ACCESS TO SAFE AND AFFORDABLE WATER.

TARGET # 1: EDUCATE 100% OF COMMUNITY MEMBERS ON THE IMPORTANCE OF DRINKING WATER AND THE RECREATIONAL USE OF WATER FOR HEALTH AND WELLNESS OVER THE NEXT 5 YEARS.

- *MONITORING WATER QUALITY IN DELAWARE COUNTY*
 - #13 Complete water testing in homes and schools for lead and other harmful chemicals
 - #15 Review annual water quality reports from public water providers and disseminate to the public
 - #16 Identify key contacts at water providers and meet annually to discuss goals and strategies
 - #18 Work with the DEP to ensure updated water quality monitoring and accurate stream quality designations
- *INCREASING EDUCATION ABOUT HEALTHY HYDRATION*
 - #9 Inventory existing community programs around hydration (Schools, Seniors, Community Groups, Depts)
 - #10 Develop and implement education program, incorporating existing initiatives and programs.
 - #11 Identify dissemination strategy of educational program catering to specific communities (K-12, Adults, Seniors, etc.)

- #12 Track completion of education programs and the number of recipients.
- #14 Complete water audits to ensure that students/teachers have sufficient access to drinking water
- *PROVIDING AWARENESS SAFE WATER-BASED RECREATION*
 - #17 Increase opportunities for safe water-based recreation in Delaware County
 - #19 Increase education and awareness around waterways in Delaware County informing residents of safety considerations when recreating

SUBGOAL # 3: FOOD - TO ENSURE JUST AND EQUITABLE ACCESS TO HEALTHY, NUTRITIOUS, APPEALING AND LOCALLY GROWN FOOD.

TARGET #1: INCREASE THE NUMBER OF HEALTHY FOOD OFFERINGS IN FOOD DESERTS BY 20% OVER 5 YEARS.

- *IDENTIFYING NEED AREAS IN DELAWARE COUNTY*
 - #9 Identify food deserts throughout Delaware County
 - #10 Identify existing food disbursement programs (Food Banks, Shelters, Cupboards, School Programs)
 - #11 Evaluating existing offerings of food disbursement to ensure access to healthy and culturally-appropriate foods
 - #26 Engage community members regarding food needs throughout the County
- *PROMOTING NUTRITION AND ENSURING HEALTHY FOOD ACCESS FOR ALL*
 - #12 Advertise and/or Host Farmer's Markets/Mobile Market throughout Delaware County specifically in food deserts
 - #13 Ensure that all existing Farmer's Markets have access to nutrition incentive programs (ex. SNAP, GUSNIP, WIC)
 - #14 Provide Nutritional Programming for all ages
- *CREATING COMMUNITY GARDENS AND COLLABORATING WITH LOCAL FARMERS*
 - #15 Identify sites to host community gardens and/or managed farms in high-need and opportunity areas
 - #16 Install additional community garden plots and/or managed farms on County-owned land
 - #17 Provide technical assistance, capacity building, and resources for community gardens (by-laws, governance, human capital, etc.)
 - #19 Promote community resource sharing for producing locally accessible food (tool sharing, produce, seeds, etc)
 - #20 Create a network of farmers/farms in Delaware County
 - #21 Create a community-wide education campaign regarding farming in Delaware County
 - #22 Perform outreach to farmers to participate in farmers markets, food rescues, and other initiatives
- *FOSTERING CONVERSATIONS AROUND FOOD ACCESS*
 - #18 Create a campaign sharing existing food resources in Delaware County
 - #24 Provide education regarding different kinds of local farming methods/organizational structures
 - #26 Engage community members regarding food needs throughout the County
 - #27 Create a Food Policy Council focusing on local food in Delaware County
 - #28 Host an annual food summit bringing together professionals to share synergies and collaborate
- *ENSURING SPACE FOR FOOD PRODUCTION*
 - #23 Evaluate existing zoning regulations surrounding community gardening and agriculture, and create a model for greater accessibility
 - #25 Adopt the Greening on Orange Pilot Project for Urban Farming
 - #29 Include criteria for local food production in the open space prioritization (NR #9) to be included in the updated Conservation Priority Area Maps (NR #11)

SUBGOAL # 4: OVERALL WELL-BEING - IMPROVE THE OVERALL PHYSICAL AND MENTAL HEALTH AND WELL-BEING FOR ALL.

TARGET #1: CREATE A DCHD POLICY ON WELLNESS AND IMPLEMENT IT OVER 5 YEARS.

- *SUPPORTING HEALTH DEPARTMENT WELLNESS INITIATIVES*
 - #9 Align Sustainability Plan with DCHD definition of wellness
 - #10 Host a public health fair highlighting existing initiatives and resources
 - #12 Advertise Lead Prevention Materials and Programs through the Delaware County Health Department
- *GETTING EMPLOYEES MOVING*
 - #11 Host a walking lunch 1x per month for county employees